



68cc Gas Bike Compression Head Replacement

A simple set of instructions walking you through the process of replacing a compression head on a 68cc Gas Bike.

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INTRODUCTION

Have you ever wanted to improve your 68cc gas bike's performance? This FastFix will help you improve your bikes performance and speed.



TOOLS:

- [9/16" Wrench](#) (1)
- [spark plug removal tool](#) (1)
- [Flathead Screwdriver](#) (1)



PARTS:

- [High Content Rubbing Alcohol](#) (1)
- [Compression Head](#) (1)

Step 1 — Compression Head



- Clean the compression head with an alcohol based cleaner to ensure a perfect fit on the engine.
- ⚠ DO NOT use soap or an acid based cleaner. They will ruin the compression head.

Step 2



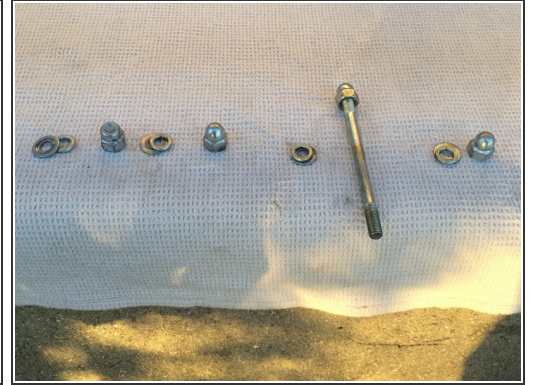
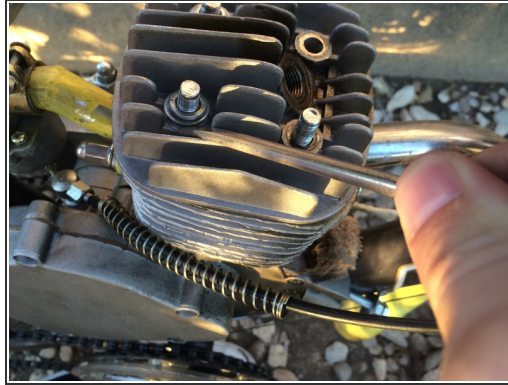
- Detach the rubber CDI from the spark plug by gently pulling up and away from the engine.
- ⚠ The rubber part that grabs the spark plug on the CDI is very delicate and may break with excessive force, use minimal force

Step 3



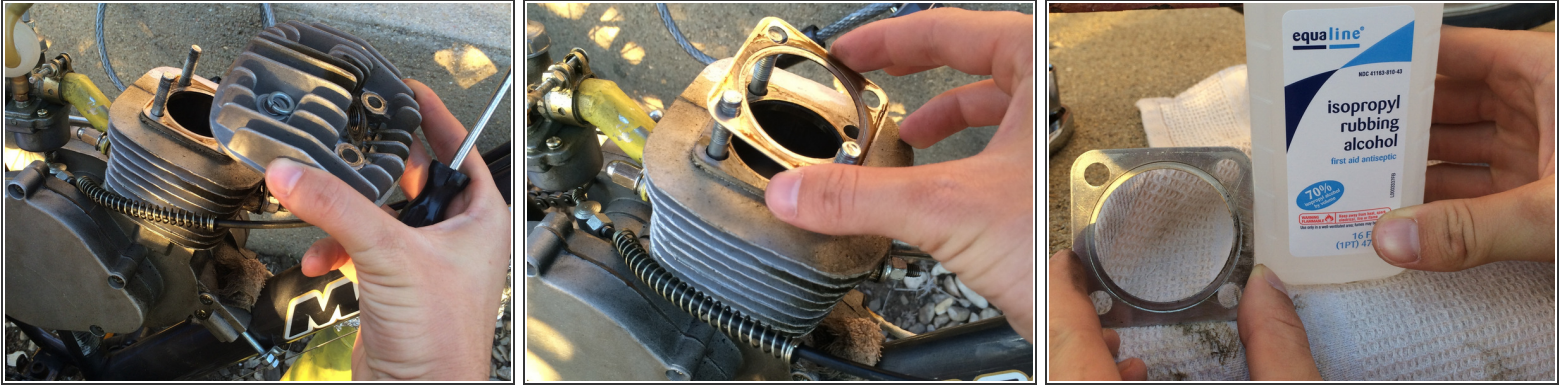
- Place the spark plug tool on the spark plug and twist it counter clockwise to loosen it.
- After loosening the spark plug all the way, remove it by lifting up.

Step 4



- Place your 3/8" wrench on any of the four top cap nuts on the compression head currently on the bike.
 - Turn the wrench counter clock wise to loosen the cap nut and remove it. Then remove the washer and the locking washer. Repeat this for all cap nuts.
 - Keep the washers and lock washers with the cap nut they were with on the compression head, it is not recommended to mix them up.
- i** Use the flat head screw driver to remove washers stuck to the compression head.
- i** Sometimes the bolt gets stuck on the nut and comes out, do not worry, this is normal.

Step 5



- Remove the compression head by lifting up.
- Remove the head gasket from the engine. Sometimes the head gasket gets stuck to the compression, remove the head gasket if it is stuck to the compression head.
- Clean metal head gasket with the rubbing alcohol.
- Reinstall metal head gasket on the engine after cleaning.

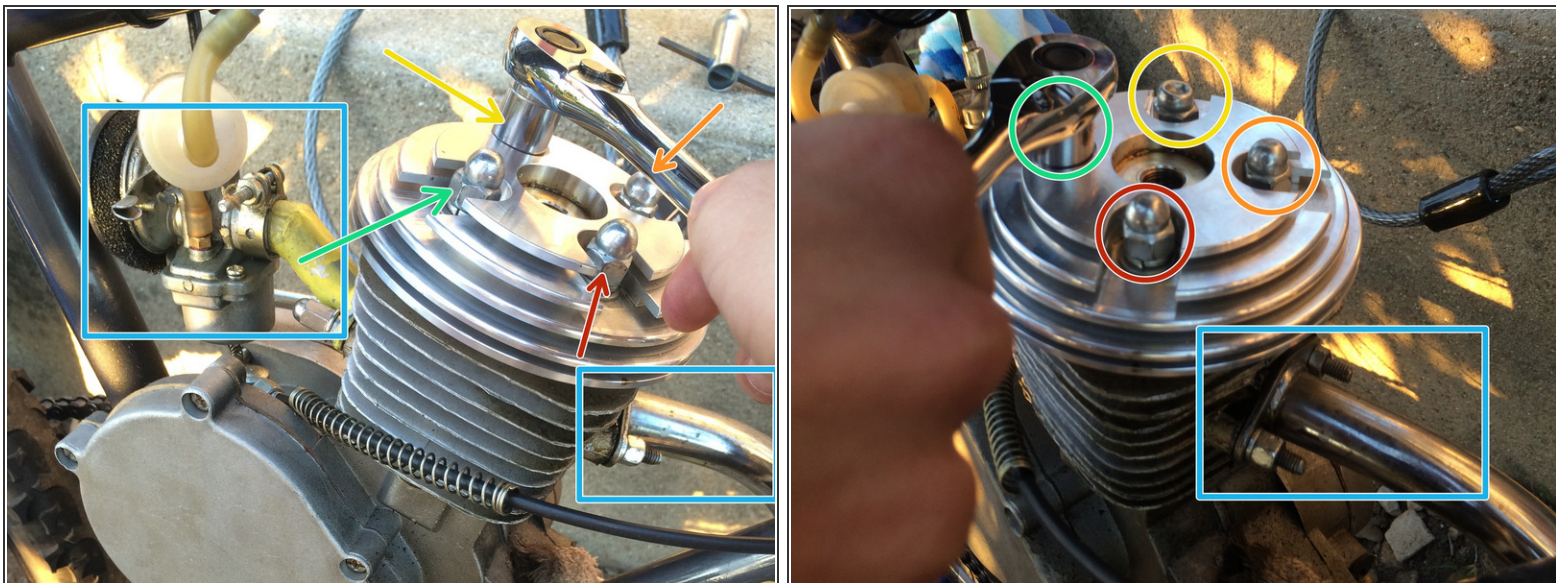
⚠ Without the head gasket properly cleaned and replaced onto the engine the engine will not run properly.

Step 6




- Place the new compression head on the engine.
- Place the washers and locking washers back in their respective places and place the cap nuts on top. Hand tighten the bolts.

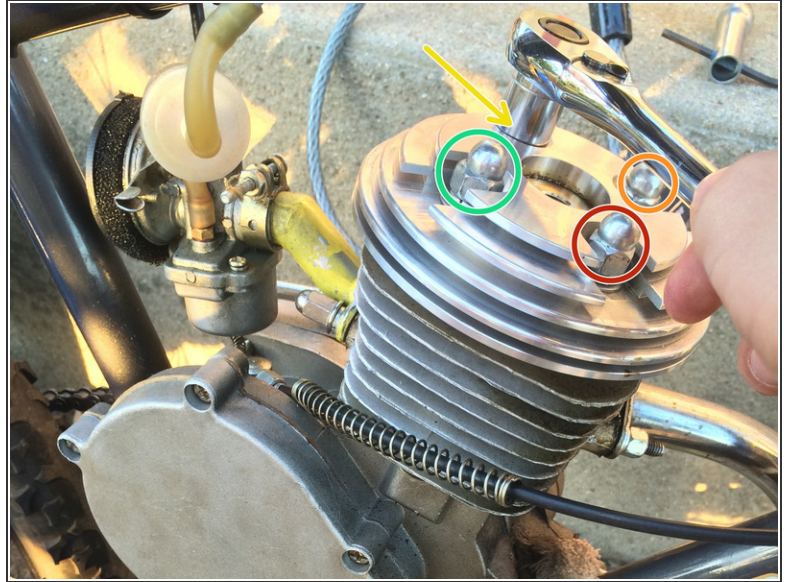
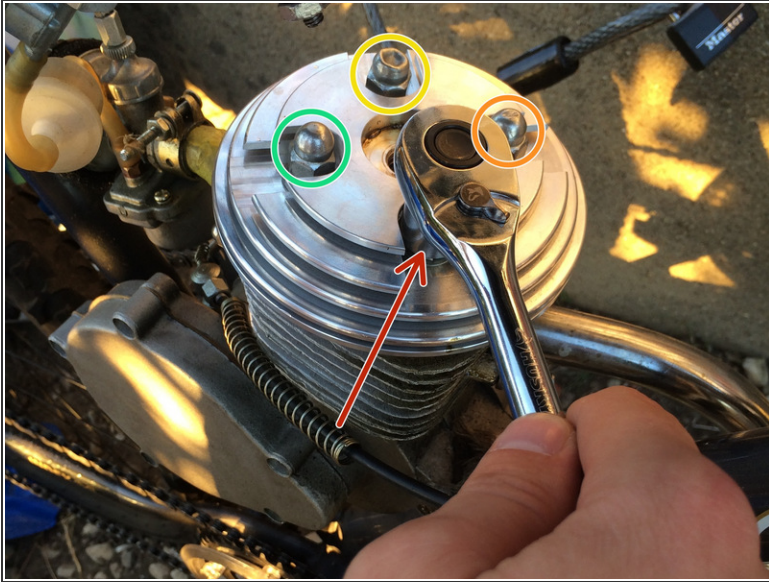
Step 7



 This is important information for the next few steps.

- This is nut #1, the one on the right closest to the camera.
 - This is nut #2, the one on the right farthest from the camera.
 - This is nut #3, the one on the right farthest from the camera.
 - This is nut #4, the one on the left closest to the camera.
 - Pay close attention to the relation of the nuts to the carburetor and the exhaust.
-  If you are looking at the engine from this view the handle bars will be to your right and the seat will be to your left.

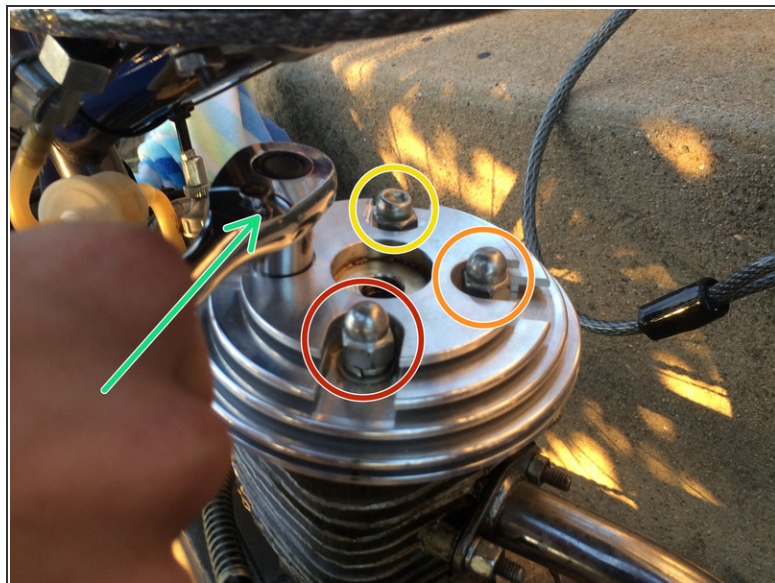
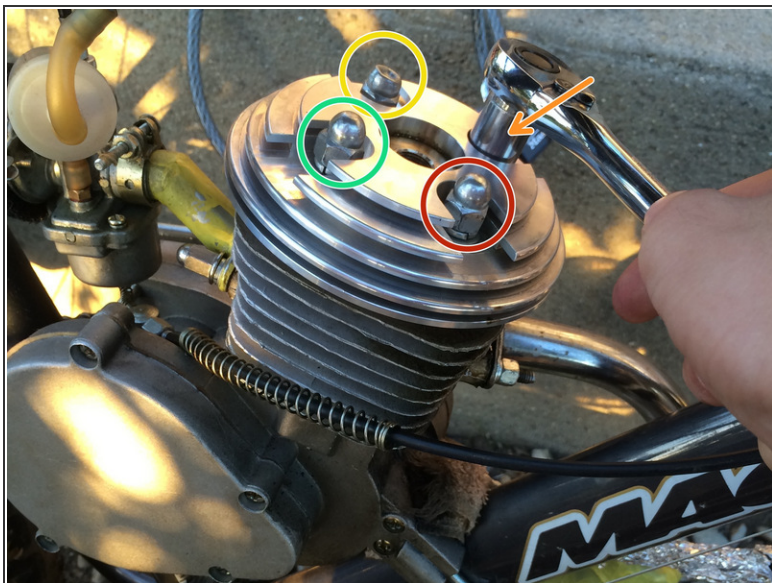
Step 8



THE NEXT TWO STEPS ARE VERY IMPORTANT AND MAY HINDER PERFORMANCE OR CAUSE ENGINE FAILURE IF DONE INCORRECTLY.

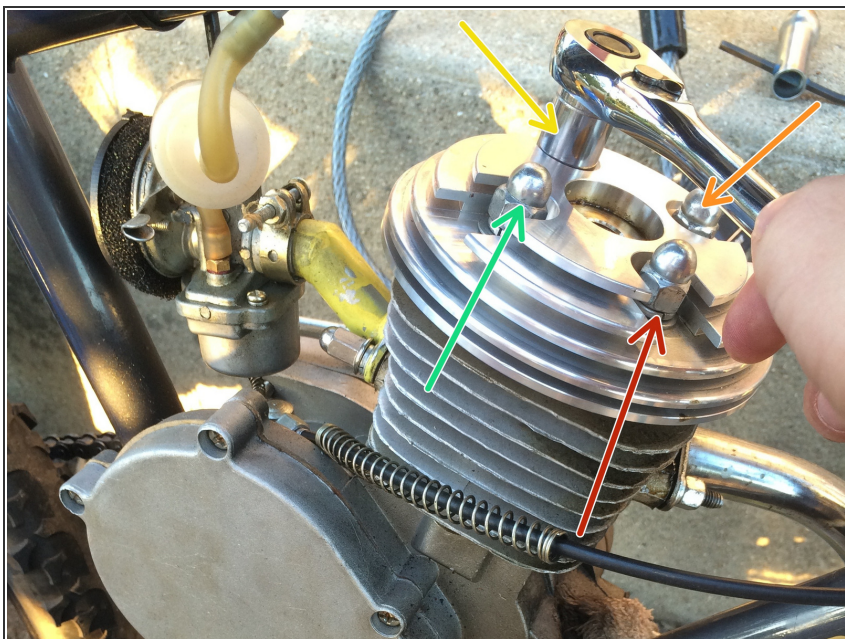
- Using your 3/8" wrench, place it on the first cap nut labeled in the picture above. This is the cap nut in the red circle. Tighten it 2 full turns clock wise.
- Next, place the wrench on cap screw three and tighten it 2 full turns clock wise. Cap screw three is the one labeled with by yellow arrows or circles.

Step 9



- Place the wrench on cap screw two and tighten it 2 full turns clock wise. Cap screw three is the one labeled with by orange arrows or circles.
- Place the wrench on cap screw four and tighten for 2 turns. Cap screw four is labeled in green.

Step 10



- Repeat the tightening pattern two more times to make sure that all screws have the same amount of tightness one them.
- ☑ The tightening sequence is 1 to 3 to 2 to 4, and repeat. Or color wise, red to yellow to orange to green.

Step 11



- Use the spark plug tool to reinstall the spark plug by screwing it in clock wise.
 - Reattach the rubber CDI to the spark plug.
 - Make a quick visual inspection to make sure nothing looks out of the ordinary.
 - You have now installed a new compression head on your 68cc gas bike!
- i** Go out for a short ride to test the new compression head to make sure all components are properly installed.

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